

GenCore version 5.1.3
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OM nucleic - nucleic search, using sw model

Run on: February 3, 2003, 12:50:42 ; Search time 72 Seconds

(without alignments)
10989.251 Million cell updates/sec

Title: US-10-047-593-5

Perfect score: 2580

Sequence: 1 gcggcgccgctaatagcactc.....cgctctaggaggtcaccgt 2580

Scoring table: IDENTITY_NUC
Gapop 10.0 , Gapext 1.0

Searched: 441362 seqs, 15338381 residues

Total number of hits satisfying chosen parameters: 882724

Minimum DB seq length: 0

Maximum DB seq length: 200000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database :

1: /cgn2_6/prodata/1/ina/5A_COMB.seq:*
2: /cgn2_6/prodata/1/ina/5B_COMB.seq:*
3: /cgn2_6/prodata/1/ina/5A_COMB.seq:*
4: /cgn2_6/prodata/1/ina/5B_COMB.seq:*
5: /cgn2_6/prodata/1/ina/PCUTS_COMB.seq:*
6: /cgn2_6/prodata/1/ina/backfiles1.seq:*

Pred. No. is the number of results predicted by chance to have a
score greater than or equal to the score of the result being printed,
and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	91.8	3.6	7218	1	US-08-232-463-14
2	76	2.9	2873	1	US-08-149-695-1
3	76	2.9	2873	1	US-08-377-228-1
4	64	2.5	2687	1	US-08-149-695-8
5	64	2.5	2687	1	US-08-377-228-8
6	53.6	2.1	289	4	US-09-007-005-17
7	53.6	2.1	289	4	US-09-244-796-17
8	53	2.1	862	3	US-08-713-569-4
9	40.8	1.6	123	4	US-09-007-005-1
10	40.8	1.6	123	4	US-09-244-796-1
11	40.6	1.6	1765	1	US-08-336-772-2
12	39.6	1.5	277	4	US-09-007-005-3
13	39.6	1.5	277	4	US-09-244-796-3
14	39.4	1.5	2661	2	US-08-351-413-1
15	39.4	1.5	2661	2	US-09-025-583-1
16	39.4	1.5	53526	3	US-08-658-136-2
17	39.4	1.5	53577	3	US-08-658-136-1
18	39.4	1.5	87350	3	US-08-658-136-1
19	39.4	1.5	87543	4	US-08-781-891-79
20	39	1.5	8585	4	US-09-791-211-3
21	38.8	1.5	15567	4	US-08-030-096-3
22	38.6	1.5	16442	3	US-08-781-891-208
23	38.4	1.5	446	2	US-08-332-766A-26
24	38.2	1.5	434	2	US-08-332-766A-10
25	38	1.5	1231	1	US-08-314-596-44
26	38	1.5	1231	1	US-08-320-982-44
27	38	1.5	1231	3	US-08-819-037-44

C 28	38	1.5	1231	4	US-09-045-940-44	Sequence 44, Appl
C 30	38	1.5	1372	4	US-09-133-962A-1	Sequence 1, Appl
C 30	38	1.5	11703	4	US-09-101-886B-3	Sequence 1, Appl
C 31	37.8	1.5	1977	1	US-08-578-709-14	Sequence 14, Appl
C 32	36.8	1.4	248	4	US-09-007-005-32	Sequence 32, Appl
C 33	36.8	1.4	248	4	US-09-244-796-32	Sequence 32, Appl
C 34	36.8	1.4	14187	4	US-09-453-702B-121	Sequence 121, App
C 35	36.4	1.4	789	6	5219739-8	Patent No. 5219739
C 36	36.4	1.4	790	6	5194596-8	Patent No. 5194596
C 37	36.4	1.4	2760	1	US-08-101-593-1	Sequence 1, Appl
C 38	36.4	1.4	2973	4	US-09-133-962A-15	Sequence 15, Appl
C 39	36.4	1.4	3981	3	US-09-008-979A-7	Sequence 7, Appl
C 40	36.4	1.4	3981	4	US-09-460-618-7	Sequence 7, Appl
C 41	36.4	1.4	3981	4	US-09-310-235B-7	Sequence 7, Appl
C 42	36	1.4	14273	4	US-08-961-527-40	Sequence 40, Appl
C 43	35.8	1.4	309	4	US-09-342-681C-115	Sequence 115, App
C 44	35.6	1.4	2338	4	US-08-845-258-13	Sequence 13, Appl
C 45	35.6	1.4	2338	4	US-08-990-571-13	Sequence 13, Appl

ALIGNMENTS

RESULT 1
US-08-232-463-14
Sequence 14, Application US/08232463

Patent No. 5670367

GENERAL INFORMATION:

APPLICANT: DORNER, F.

APPLICANT: SCHEIFLINGER, F.

TITLE OF INVENTION: RECOMBINANT FOWLPOX VIRUS

NUMBER OF SEQUENCES: 52

CORRESPONDENCE ADDRESS:

ADDRESS: Foley & Lardner

STREET: 1800 Diagonal Road, Suite 500

CITY: Alexandria

STATE: VA

COUNTRY: USA

ZIP: 22313-0299

COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk

OPERATING SYSTEM: PC-DOS/MS-DOS

SOFTWARE: PatentIn Release #1.0, Version #1.25

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/08/232,463

FILING DATE:

PRIOR APPLICATION DATA:

APPLICATION NUMBER: US/07/935,313

FILING DATE:

ATTORNEY/AGENT INFORMATION:

NAME: BENT, Stephen A.

REGISTRATION NUMBER: 29,768

REFERENCE/DOCKET NUMBER: 30472/114 IMMUN

TELECOMMUNICATION INFORMATION:

TELEPHONE: (703)836-9300

TELEFAX: (703)683-4109

TELEX: 899149

INFORMATION FOR SEQ ID NO: 14:

SEQUENCE CHARACTERISTICS:

LENGTH: 7218 base pairs

TYPE: nucleic acid

STRANDEDNESS: single

TOPOLOGY: linear

IMMEDIATE SOURCE:

CLONE: PTZgpc-F1s

US-08-232-463-14

Query Match 3.6%; Score 91.8; DB 1; Length 7218;

Best Local Similarity 3.4%; Pred. No. 3.7e-16;
Matches 12; Conservative 238; Mismatches 105; Indels 0; Gaps 0;

[illegible]

RESULT 2
US-08-149-695-1

Patent No. 5412085
GENERAL INFORMATION:
APPLICANT: Allen, Rebecca L.
APPLICANT: Lonsdale, David M.
TITLE OF INVENTION: A Pollen-Specific Promoter From Maize
NUMBER OF SEQUENCES: 8
CORRESPONDENCE ADDRESS:
ADDRESSEE: McAndrews, Held and Malloy
STREET: 500 W. Madison, 34th Floor
CITY: Chicago
STATE: Illinois
COUNTRY: U.S.A.
ZIP: 60661
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/149,695
FILING DATE:
CLASSIFICATION: 800
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US/07/911,532
FILING DATE: 09-JUL-1992
ATTORNEY/AGENT INFORMATION:
NAME: Pochopien, Donald J.
REGISTRATION NUMBER: 32167
REFERENCE/DOCKET NUMBER: 92 P139
TELECOMMUNICATION INFORMATION:
TELEPHONE: (312)707-1889
TELEFAX: (312)707-9155
INFORMATION FOR SEQ ID NO: 1:
SEQUENCE CHARACTERISTICS:
LENGTH: 2873 base pairs
TYPE: nucleic acid
STRANDEDNESS: double
TOPOLOGY: linear
MOLECULE TYPE: DNA (genomic)
HYPOTHETICAL: NO
ANTI-SENSE: NO
ORIGINAL SOURCE:

; ORGANISM: Zea mays
; STRAIN: Line W22
; TISSUE TYPE: Pollen
US-08-149-695-1

Query Match	2.9%	Score 76;	DB 1;	Length 2873;
Best Local Similarity	61.4%;	Pred. No. 8.3e-12;		
Matches 172; Conservative	0;	Mismatches 105;	Indels 3;	Gaps 3;

Qy	769	GGACCTGTTTAAAGGGGGCCCTGGCTGGTGCACCGAACAATGATATGAGTCCCAAAAAACA	822
Db	129	GTCCTGGTAGACCGGACACATGTCGTGGTCATACGACAGATCCGGTGTGCGAGATCAGG	188
Qy	829	GCACACTCAAGCTCTTGTGCTCAATTTTATATGTGTGCGTAACTGGATTTCTTTTGGTT	888
Db	189	GCACCCCTTGGTTCCTTGTGCTCTTGTGCTTTGGAACCTTAACCTTGTGATCGTTATTTGGTT	248
Qy	889	TGTGTTGAAGCCTTATGACACTGAGATTAATACATCTTAG-CCAACTAGTTAGTCATG	946
Db	249	TGTGTTGAACCTTTATGACACCTGTGGAAATATTAATCTTAGCAAACTAGTTAGTCCAAAT	308
Qy	947	TGTTTTGTGTGATCGTCACTACTTAAATCTATTTATATGAAAGGTGAACCCATATTC	1006
Db	309	CATTGTGTTGGGATTCACCAACCAAAATTTATTAAGAAAAAGTTAAACCTTATTTTC	368
Qy	1007	CGTTTC-AGCACACTCTATATAGTGTGAGACCTCGACA	1045
Db	369	CCATTCAATCTCCCCCTTTTGGTGAATGATGCAACACACA	408

RESULT 3
US-08-377-228-1

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STRANDEDNESS: double
TOPOLOGY: linear
US-08-377-228-1

Query Match 2.9%; Score 76; DB 1; Length 2873;
Best Local Similarity 61.4%; Pred. NO. 8.3e-12;
Matches 172; Conservative 0; Mismatches 105; Indels 3; Gaps 3;

QY 769 GGCCTGTTGAAGGCGCTGGCTGTCACCGAAGATGATGTCGCAAAATCA 828
DB 129 GTCCCTGGGACCGGACACTGTGTGGGACATACAGACAGTCCGGTGTGCAGATCAGG 188
QY 829 GCAACATCAATCCTTGTCTTATTTTATTTGTCGCTTACTGCAATTTCTTTTGGTT 888
DB 189 GCACCTTCCTGGTCTTGTCTTCTTGTCTTGTGAACCTTAAGTTCGTTATTTGGTT 248
QY 889 TGTGTTGAAC-CTATGACCTGAGATTAATCATCATGAG-CCAACTAGTTGTCATG 946
DB 249 TGTGTTGAACCTTATGACCTGTCGAAATATATATCTAGAACAACTAGTATGTCAT 308
QY 947 TGTGTTGTTGATGTCGCACTAAATCTATTTATAGAAAGTGTAAACCTATTTTC 1006
DB 309 CATTTGTTGGGCAATCAACCAAAATATTATAGAAAAGTTAAACCTATTTTC 368
QY 1007 CCTTTC-AGCACACTCTATATAGTCTTGAGACCTCGACA 1045
DB 369 CCTTCAATCTCCCTTTTGTGATGATGCCAACACA 408

RESULT 4

US-08-149-695-8
Sequence 8, Application US/08149695
Patent No. 5412085

GENERAL INFORMATION:
APPLICANT: Allen, Rebecca L.
TITLE OF INVENTION: A Pollen-Specific Promoter From Maize
NUMBER OF SEQUENCES: 8
CORRESPONDENCE ADDRESS:
ADDRESSEE: McAndrews, Held and Malloy
STREET: 500 W. Madison, 34th Floor
CITY: Chicago
STATE: Illinois
COUNTRY: U.S.A.

ZIP: 60661
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/149,695
FILING DATE:
CLASSIFICATION: 800
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US/07/911,532
FILING DATE: 09-JUL-1992
ATTORNEY/AGENT INFORMATION:
NAME: Pochopien, Donald J.
REGISTRATION NUMBER: 32167
REFERENCE/DOCKET NUMBER: 92 P139
TELECOMMUNICATION INFORMATION:
TELEPHONE: (312)707-8889
TELEFAX: (312)707-9155

INFORMATION FOR SEQ ID NO: 8:
SEQUENCE CHARACTERISTICS:
LENGTH: 2687 base pairs
TYPE: nucleic acid
STRANDEDNESS: double
TOPOLOGY: linear
MOLECULE TYPE: DNA (genomic)
HYPOTHETICAL: NO
ANTI-SENSE: NO

ORIGINAL SOURCE:
ORGANISM: Zea mays
STRAIN: Line W22
US-08-149-695-8

Query Match 2.5%; Score 64; DB 1; Length 2687;
Best Local Similarity 64.5%; Pred. NO. 2.4e-08;
Matches 142; Conservative 0; Mismatches 75; Indels 3; Gaps 3;

QY 829 GCAACTCAAGCTCTTGTCTTATTTTATTTGTCGCTAAGTCTGATTTCTTTGGTT 888
DB 3 GCACCTTCGTTCCCTTGTCTTGTCTTGTGAACCTTAAGTTCGTTATTTGGTT 62
QY 889 TGTGTTGAAC-CTATGACCTGAGATTAATCATCATGAG-CAAAGTATGTCATG 946
DB 63 TGTGTTGAACCTTATGACCTGTCGAAATATATATCTAGAACAACTAGTATGTCAT 122
QY 947 TGTGTTGTTGATGTCGCACTAAATCTATTTATAGAAAGTGTAAACCTATTTTC 1006
DB 123 CATTTGTTGGGCAATCAACCAAAATATTATAGAAAAGTTAAACCTATTTTC 182
QY 1007 CCTTTC-AGCACACTCTATATAGTCTTGAGACCTCGACA 1045
DB 183 CCTTCAATCTCCCTTTTGTGATGATGCCAACACA 222

RESULT 5

US-08-377-228-8
Sequence 8, Application US/08377228
Patent No. 5545546

GENERAL INFORMATION:
APPLICANT: ALLEN, Rebecca L.
TITLE OF INVENTION: A Pollen-Specific Promoter From Maize
NUMBER OF SEQUENCES: 18
CORRESPONDENCE ADDRESS:
ADDRESSEE: Foley & Lardner
STREET: 3000 K Street, N.W., Suite 500
CITY: Washington
STATE: D.C.
COUNTRY: USA

ZIP: 20007-5109
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/377,228
FILING DATE: 24-JAN-1995
CLASSIFICATION: 536
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/149,695
FILING DATE: 09-NOV-1993

PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/911,532
FILING DATE: 09-JUL-1992
ATTORNEY/AGENT INFORMATION:
NAME: BENT, Stephen A.
REGISTRATION NUMBER: 29,768
REFERENCE/DOCKET NUMBER: 33229/290/PIH1
TELECOMMUNICATION INFORMATION:
TELEPHONE: (202)672-5300
TELEFAX: (202)672-5399
TELEX: 904136

INFORMATION FOR SEQ ID NO: 8:
SEQUENCE CHARACTERISTICS:
LENGTH: 2687 base pairs
TYPE: nucleic acid
STRANDEDNESS: double
TOPOLOGY: linear
US-08-377-228-8


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; FEATURE:
; OTHER INFORMATION: Translation template
US-09-244-796-3

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Query Match	1.5%	Score 39.6;	DB 4;	Length 277;
Best Local Similarity	21.5%;	Pred. No. 0.076;		
Matches 56;	Conservative 97;	Mismatches 106;	Indels 1;	Gaps 1

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0y  2135 TTTCTGGATTTTTTTACTGTGTTATTCATTCTCCCTTCGGCGCCTCTCAAGTCMAATTC 2194
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Db  264  TTTTTTTTTTTTTTAAGCYGCYCAAYAGAAYGYTTYAAICYGCYAIGCYCTTGTY 205

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2195 TCCTTCCCTCGTCAGTCGTCGTCCTTTTCGATCCACTCTTTTCCCCATCCCAATCTCCCT 2254
 Db 204 TTYCYAAGYTTTYYTGTYGTYTTTTCYAGCYCTTGYTTTTCYACYGAYCYGTY 145

Qy 2255 ACTT-TCCACGCAACTGCCTTTCCCCCGAGCTCTTCCTCCACGATTCGGTTGGACCCTTA 23133
::
Db 144 TTTTAACTGYCAYKCYAAYGTYCTTTTCYTTTCYATGAAYGATYYCYAAGTTY 85

[illegible]

Oy	2374	CTGTAGCTACTATGCTGCC	2393
		∴∴∴∴∴∴∴∴	
Db	24	AYGYTAYAYTTYYGYTCY	5

RESULT 14
US-08-351-413-1

Patent No. 5750867
GENERAL INFORMATION:
APPLICANT: Williams, Mark

```

: TITLE OF INVENTION: Maintenance of male-sterile plants
:
: NUMBER OF SEQUENCES: 17
:
: CORRESPONDENCE ADDRESS:

```

STREET: 8110 Gatehouse Road, Suite 500 East
CITY: Falls Church
STATE: Virginia

```

; ZIP: 2046
; COMPUTER READABLE FORM
; MEDIUM TYPE: F10ppy

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:
: OPERATING SYSTEM: PC-DOS/MS-DOS
: SOFTWARE: PatentIn Release #1.0, Version #1.25 (EPO
: CURRENT APPLICATION DATA:

```

FILING DATE: 08/08/2014
 CLASSIFICATION: 800
 PRIOR APPLICATION DATA:

FILING DATE: 12-JUN-1992
 PRIOR APPLICATION DATA:
 APPLICATION NUMBER: US 07/970,849

ATTORNEY/AGENT INFORMATION:
NAME: Svensson, Leonard R.
REGISTRATION NUMBER: 30 330

TELEPHONE: (703) 205-8000
TELEFAX: (703) 205-8050

```

; INFORMATION FOR SEQ ID NO: 1:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 2661 base pairs

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STRANDEDNESS: double

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; TOPOLOGY: linear
; MOLECULE TYPE: DNA (genomic)
; HYPOTHETICAL: NO

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ORIGINAL SOURCE:
ORGANISM: Zea mays
STRAIN: inbred line

AUTHORS: Hamilton et al.,
JOURNAL: Sex Plant Reprod.
VOLUME: 2

DATE: 1989
US-08-351-413-1

Query Match	1.3%	Score 35.4	DB 1	Length 2661
Best Local Similarity	62.0%	Pred. NO. 0.31		
Matches 80	Conservative 0	Mismatches 46	Indels 3	Gaps 1

Db 39 AAGGAGGATATTTTCGACCTTGGGCTAAGCCTT--GTCAGATCGCAATCTA 95

Db 96 AATTATTATTTGAACTAATATATTCGAGGGGCTACTGTTGGGACCTTCGCATC 155

Db 156 CGAAGGTCC 164

RESULT 15
US-09-025-583-1
Scenario 1 Analysis: run/00000000

Patent No. 5977433
GENERAL INFORMATION:
APPLICANT: Williams, Mark
ADDRESSEE: Williams, Mark

TITLE OF INVENTION: Maintenance of male-sterile plants
NUMBER OF SEQUENCES: 17
CORRESPONDENCE ADDRESS:
ADDRESSEE: BAYER AG

STREET: 8110 Gatehouse Road, Suite 500 East
CITY: Falls Church
STATE: Virginia

```

;
;      ZIP:  2046
;      COMPUTER READABLE FORM
;      MEDIUM TYPE:  Floppy
;      CONTENTS:

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; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25 (EPO)
; CURRENT APPLICATION DATA:

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; FILING DATE:
; CLASSIFICATION: 800
; PRIOR APPLICATION DATA:

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;; FILING DATE: US 07/899,072
;; APPLICATION NUMBER: 12-JUN-1992
;; FILING DATE: 12-JUN-1992

APPLICATION NUMBER: US 07/970,849
FILING DATE: 03-NOV-1992
ATTORNEY/AGENT INFORMATION:

```

;; REGISTRATION NUMBER: 30,330
;; REFERENCE/DOCKET NUMBER: 2121-102PCT
TELECOMMUNICATION INFORMATION:

```

TELEFAX: (703) 205-8050
TELEX: 248345

```

; INFORMATION FOR SEQ ID NO: 1:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 2661 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: double
; TOPOLOGY: linear
; MOLECULE TYPE: DNA (genomic)
; HYPOTHEICAL: NO
; ANTI-SENSE: NO
; ORIGINAL SOURCE:
; ORGANISM: Zea mays
; STRAIN: inbred line W-22
; PUBLICATION INFORMATION:
; AUTHORS: Hamilton et al.,
; JOURNAL: Sex Plant Reprod.
; VOLUME: 2
; PAGES: 208-
; DATE: 1989
;
US-09-025-583-1

```

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Query Match 1.5%; Score 39.4; DB 2; Length 2661;
Best Local Similarity 62.0%; Pred. No. 0.31;
Matches 80; Conservative 0; Mismatches 46; Indels 3; Gaps 1;

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QY 1563 AAGGACTGTTTGGACCTTGAACATAGCTTAAAGTAGATTTCACATTTA 1622
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DB 39 AAGGAGAGTATTTTCGACCTTCGGCGTAAAGCTT--CGTCAGATCGCATCTA 95
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
QY 1623 AGCTTGTTATGTAAACAACACTAATTCGAGAGAGGCTGATTGAGAGAAAGTCTGCGGT 1682
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
DB 96 AATTATATTTTGAACAATAATATATTCGAGGGGCTACTGTGGGACCTTCGGCATC 155
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
QY 1683 CGATGATTC 1691
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
DB 156 CGAAGGTCC 164
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Search completed: February 3, 2003, 17:31:34
Job time : 112 secs

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